

**Attachment No. 1**

**External Combustion Units**

MERIT ENERGY COMPANY  
 R. HOBLEIN NO. 2 GAS FACILITY  
 JIM HOGG COUNTY, HEBRONVILLE, TEXAS  
 PERMIT BY RULE FILING

# HEATER EMISSIONS

Gas Heating Value ( btu/scf ) = 1,140.00

## Sample Calculation

Unit Heating Value (btu/hr) \* Gas Heating Value (btu/scf) \* Emission Factor (lb/mmcf) = Emission Rate ( lb/hr)

<u>Constituent</u>	<u>Gas Heating Value</u>	<u>Reboiler Heater</u>		<u>Emission Factor</u>	<u>Usage %</u>	<u>Emission Rate</u>	
		<u>Reboiler Rating</u>				<u>LB/HR</u>	<u>TONS/YR</u>
NOx	1,140.00	200,000.00		100.00	1.00	0.0175	0.0768
CO	1,140.00	200,000.00		84.00	1.00	0.0147	0.0645
VOC -methane	1,140.00	200,000.00		11.00	1.00	0.0019	0.0085
VOC- nonmethane	1,140.00	200,000.00		5.50	1.00	0.0010	0.0042
Particulate	1,140.00	200,000.00		7.60	1.00	0.0013	0.0058